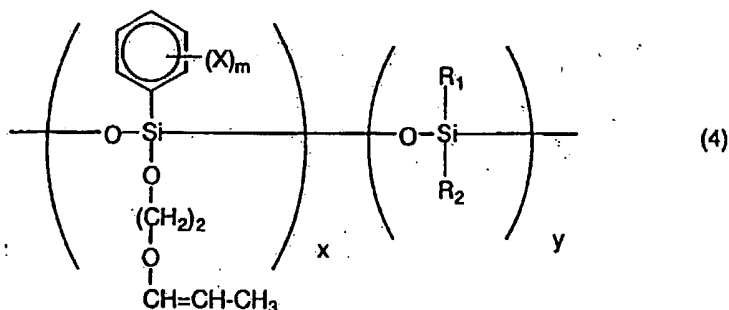


Amendments to the Claims:

Please cancel Claims 1 – 11.

12. (Original) A photosensitive composition for optical waveguides comprising an organic oligomer and a polymerization initiator, said organic oligomer being a silicone oligomer represented by the following formula (4):



wherein X denotes hydrogen, deuterium, halogen, and alkyl group or an alkoxy group; m is an integer from 1 to 5; x and y designate the proportion of respective units, and neither x nor y is 0; and R₁ and R₂ may be the same as or different from each other and denote a methyl, ethyl, or isopropyl group.

13. (Original) A method of producing said photosensitive composition for optical waveguides as claimed in Claim 12, said method comprising the steps of:

heating a silicone oligomer in the presence of a solid catalyst; and

filtering said solid catalyst, concentrating filtrate, and further adding a polymerization initiator.

14. (Original) A method of forming a polymer optical waveguide pattern, comprising the steps of:

applying and drying photosensitive composition for optical waveguides;

irradiating said resultant photosensitive composition thin film for optical waveguides with light through a mask; and

directly forming a core-ridge pattern by wet etching said photosensitive composition thin film;

wherein the photosensitive composition for optical waveguides as claimed in Claim 12 is used as said photosensitive composition for optical waveguides.

Please cancel Claims 15 – 20.